


Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) 	Atty. Docket No. A34585-A PCT-USA (070050.1664)	Serial No. 09/907,907
	Applicant Fisher <i>et al.</i>	
	Filing Date July 16, 2001	Group 1641
	Examiner Allen, Marianne P.	

U.S. PATENT DOCUMENTS

*Exam. Initial.	No.	Document No.	Date	Name	Class	Subclass	Filing Date if Approximate.
DB	28.	5 7 1 0 1 3 7	01/20/98	Fisher	514	44	
DB	72.	5 2 0 0 3 1 3	04/06/93	Carrico	435	6	

FOREIGN PATENT DOCUMENTS

Exam Initial	No.	Document No.	Date	Country	Class	Subclass	Translation Yes No
DB	9.	PCT/US00/02920	02/02/00	WO			
DB	14.	WO 99/25878	05/27/99	WO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Exam Initial	No.	
DB	1.	Leszczyniecka M, Su Z, Kang D, Sarkar D, Fisher PB (2003). Expression regulation and genomic organization of human polynucleotide phosphorylase, hPNPase(old-35), a Type I interferon inducible early response gene. <i>Gene</i> 316:143-156.

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DB	2.	Sarkar D, Leszczyniecka M, Kang DC, Lebedeva IV, Valerie K, Dhar S, Pandita TK, Fisher PB (2003). Down-regulation of Myc as a potential target for growth arrest induced by human polynucleotide phosphorylase (hPNPase old-35) in human melanoma cells. <i>J Biol Chem</i> . 278(27):24542-24551.
	3.	Strausberg R (2003). Homo sapiens polyribonucleotide nucleotidyltransferase 1, mRNA (cDNA clone MGC:61565 IMAGE:6062060), complete cds. GenBank Acc. No. BC053660.
	4.	Takahashi H, Furukawa T, Yano T (2003). Homo sapiens PNPase mRNA, partial cds. GenBank Acc. No. AY290863.
	5.	Leszczyniecka M, Kang DC, Sarkar D, Su ZZ, Holmes M, Valerie K, Fisher PB (2002). Identification and cloning of human polynucleotide phosphorylase, hPNPase old-35, in the context of terminal differentiation and cellular senescence. <i>Proc Natl Acad Sci USA</i> 99(26):16636-16641.
	6.	Leszczyniecka et al.(2002), GenBank Acc. No. AY027528.
	7.	Raijmakers R (2002). Homo sapiens mRNA for polynucleotide phosphorylase-like protein (PNPase gene). GenBank Acc. No. AJ458465.
	8.	(October 16, 2001), GenBank Acc. No. P50849.
	10.	Madireddi MT, Dent P, Fisher PB (2000). Regulation of mda-7 gene expression during human melanoma differentiation. <i>Oncogene</i> 2000 Mar 2;19(10):1362-1368.
	11.	Rosenberg LE, Schechter AN (2000). Gene therapist, heal thyself. <i>Science</i> 287:1751.
DB	12.	Strausberg R (2000). Homo sapiens polyribonucleotide nucleotidyltransferase 1 mRNA. GenBank Acc. No. BC000862.

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DB	13.	Antic D, Lu N, Keene JD (1999). ELAV tumor antigen, Hel-N1, increases translation of neurofilament M mRNA and induces formation of neurites in human teratocarcinoma cells. <i>Genes Dev</i> 13:449-461.
	15.	Huang F, Adelman J, Jiang H, Goldstein NI, Fisher PB (1999). Identification and temporal expression pattern of genes modulated during irreversible growth arrest and terminal differentiation in human melanoma cells. <i>Oncogene</i> 18(23):3546-3552.
	16.	Leszczyniecka M. (February 2, 1999), Keystone Symposium "Aging and Environmental Influences on Life Span," February 2-7, 1999 (submitted abstract).
	17.	Roberts PJ, Mollapour E, Watts MJ, Linch DC (1999). Primitive myeloid cells express high levels of phospholipase A2 activity in the absence of leukotriene release:selective regulation by stem cell factor involving the MAP kinase pathway. <i>Blood</i> 94:1261-1272.
	18.	Wynford-Thomas (January 1999). Cellular senescence and cancer. <i>J. Pathol.</i> 187(1):100-111.
	19.	Branch A (1998). A good antisense is hard to find. <i>TIBS</i> 23:45-50.
	20.	Der SD, Zhou A, Williams BR, Silverman RH (1998). Identification of genes differentially regulated by interferon alpha, beta, or gamma using oligonucleotide arrays. <i>Proc Natl Acad Sci USA</i> 95:15623-15628.
	21.	Gire V, Wynford-Thomas D (1998). Reinitiation of DNA synthesis and cell division in senescent human fibroblasts by microinjection of anti-p53 antibodies. <i>Mol Cell Biol</i> 18(3):1611-1621.
	22.	Gonos et al. (April 1998). Cloning and identification of genes that associate with mammalian replicative senescence. <i>Exp. Cell Res.</i> 240(1):66-74.
DB	23.	Lin JJ, Jiang H, Fisher PB (1998). Melanoma differentiation associated gene-9, mda-9, is a human gamma interferon responsive gene. <i>Gene</i> 207(2):105-110.

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DB	24.	Niculescu AB 3rd, Chen X, Smeets M, Hengst L, Prives C, Reed SI (1998). Effects of p21 (Cip1/Waf1) at both the G1/S and the G2/M cell cycle transitions: pRb is a critical determinant in blocking DNA replication and in preventing endoreduplication. <i>Mol Cell Biol</i> 18(1):629-643.
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	26.	Stark GR, Kerr IM, Williams BR, Silverman RH, Schreiber RD (1998). How cells respond to interferons. <i>Annu Rev Biochem</i> 67:227-264.
	22.	Zhang P, Vigne JL, Mellon SH (1998). Polyribonucleotide phosphorylase is a double-stranded DNA-binding protein. <i>DNA Cell Biol</i> 17(2):169-175.
	23.	Antic D, Keene JD (1997). Embryonic lethal abnormal visual RNA-binding proteins involved in growth, differentiation, and posttranscriptional gene expression. <i>Am J Hum Genet.</i> 61:273-278.
	24.	Blum E, Py B, Carpousis AJ, Higgins CF (1997). Polyphosphate kinase is a component of the Escherichia coli RNA degradosome. <i>Mol Microbiol</i> 26(2):387-398.
	25.	Gura T (1997). Systems for identifying drugs are often faulty. <i>Science</i> 278(5340):1041-1042.
	26.	Stark GR, Kerr IM, Williams BR, Silverman RH, Schreiber RD (1998). How cells respond to interferons. <i>Annu Rev Biochem</i> 67:227-264.
V	27.	Strausberg (June 1998), EST ov80eo5.s1, GenBank Acc. No. AI023627.
DB	29.	Zhang P, Vigne JL, Mellon SH (1998). Polyribonucleotide phosphorylase is a double-stranded DNA-binding protein. <i>DNA Cell Biol</i> 17(2):169-175.

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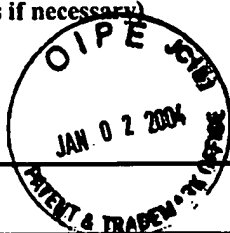
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	31.	Blum E, Py B, Carpousis AJ, Higgins CF (1997). Polyphosphate kinase is a component of the <i>Escherichia coli</i> RNA degradosome. <i>Mol Microbiol</i> 26(2):387-398.
	32.	Gura T (1997). Systems for identifying drugs are often faulty. <i>Science</i> 278(5340):1041-1042.
	33.	Myer VE, Fan XC, Steitz JA (1997). Identification of HuR as a protein implicated in AUUUA-mediated mRNA decay. <i>EMBO J</i> 16(8):2130-2139.
	34.	Strausberg R (1997). EST nf94c12.s1. GenBank Acc. No. AA535914.
	35.	Strausberg R (1997). EST zs13d08.r1. GenBank Acc. No. AA252572.
	36.	Wilson RK (1997). EST zq51b10.r1. GenBank Acc. No. AA206675.
	37.	Verma IM, Somia N (1997). Gene therapy – promises, problems and prospects. <i>Nature</i> 389(6648):239-242.
	38.	Agrawal S (1996). Antisense oligonucleotides: towards clinical trials. <i>TIBTECH</i> 14:376-387.
	39.	Campisi J (1996). Replicative senescence: an old lives' tale? <i>Cell</i> 84(4):497-500.
	40.	Hayes R, Kudla J, Schuster G, Gabay L, Maliga P, Grussem W (1996). Chloroplast mRNA 3'-end processing by a high molecular weight protein complex is regulated by nuclear encoded RNA binding proteins. <i>EMBO J</i> 15:1132-1141.
DB	41.	Holt SE, Wright WE, Shay JW (1996). Regulation of telomerase activity in immortal cell lines. <i>Mol Cell Biol</i> 16(6):2932-2939.

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DB	42.	Hudson (June 1996), human STS EST127457, GenBank Acc. No. G26100.
	43.	Hudson (June 1996), human STS EST324915, GenBank Acc. No. G25452.
	44.	Lacombe L, Orlow I, Silver D, Gerald WL, Fair WR, Reuter VE, Cordon-Cardo C (1996). Analysis of p21 WAF1/CIP1 in primary bladder tumors. <i>Oncol Res</i> 8(10-11):409-414.
	45.	Ledley FD (1996). Pharmaceutical Approach to somatic gene therapy. <i>Pharmaceutical Research</i> 13:1595-1614.
	46.	Lin JJ, Jiang H, Fisher PB (1996). Characterization of a novel melanoma differentiation associated gene, mda-9, that is down-regulated during terminal cell differentiation. <i>Mol Cell Different</i> 4(4):317-333.
	47.	Linke SP, Clarkin KC, Di Leonardo A, Tsou A, Wahl GM (1996). A reversible, p53-dependent G0/G1 cell cycle arrest induced by ribonucleotide depletion in the absence of detectable DNA damage. <i>Genes Dev</i> 10(8):934-947.
	48.	Luttinger A, Hahn J, Dubnau D. Polynucleotide phosphorylase is necessary for competence development in <i>Bacillus subtilis</i> . <i>Mol Microbiol</i> 19(2):343-356.
	49.	Luttinger et al. (February 1996), GenBank Acc. No. U29668.
	50.	Ma WJ, Cheng S, Campbell C, Wright A, Furneaux (1996). Cloning and characterization of HuR, a ubiquitously expressed Elav-like protein. <i>J Biol Chem</i> 271(14):8144-8151.
	51.	Seydoux G, Mello CC, Pettitt J, Wood WB, Priess JR, Fire A (1996). Repression of gene expression in the embryonic germ lineage of <i>C. elegans</i> . <i>Nature</i> 382:713-716.
V	52.	Smith JR, Pereira-Smith OM (1996). Replicative senescence: implications for in vivo aging and tumor suppression. <i>Science</i> 273(5271):63-67.
DB	53.	Wilson RK (1996). EST z175a08.s1. GenBank Acc. No. AA055633.

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DB	54.	Wilson RK (1996). EST yz92g09.s1. GenBank Acc. No. N62372.
↑	55.	Chen CY, Shyu AB (1995). AU-rich elements: characterization and importance in mRNA degradation. <i>Trends Biochem Sci</i> 20(11):465-470.
	56.	Dimri GP, Lee X, Basile G, Acosta M, Scott G, Roskelley C, Medrano EE, Linskens M, Rubelj I, Pereira-Smith O, <i>et al.</i> (1995). A biomarker that identifies senescent human cells in culture and in aging skin in vivo. <i>Proc Natl Acad Sci USA</i> 92(20):9363-9367.
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	58.	Hillier (July 1995), EST y114a01.r1, GenBank Acc. No. H26598.
	59.	Jiang H, Lin JJ, Su ZZ, Goldstein NI, Fisher PB (1995). Subtraction hybridization identifies a novel melanoma differentiation associated gene, mda-7, modulated during human melanoma differentiation, growth and progression. <i>Oncogene</i> 11(12):2477-2486.
	60.	Jiang H, Lin J, Su ZZ, Herlyn M, Kerbel RS, Weissman BE, Welch DR, Fisher PB (1995). The melanoma differentiation-associated gene mda-6, which encodes the cyclin-dependent kinase inhibitor p21, is differentially expressed during growth, differentiation and progression in human melanoma cells. <i>Oncogene</i> 10(9):1855-1864.
	61.	Darnell JE, Jr., Kerr IM, Stark GR (1994). Jak-STAT pathways and transcriptional activation in response to IFNs and other extracellular signaling proteins. <i>Science</i> 264(5164):1415-1421.
	62.	Guterman JU (1994). Cytokine therapeutics: lessons from interferon alpha. <i>Proc Natl Acad Sci USA</i> 91(4):1198-1205.
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JB	64.	Jiang H, Lin J, Su ZZ, Collart FR, Huberman E, Fisher PB (1994). Induction of differentiation in human promyelocytic HL-60 leukemia cells activates p21, WAF1/CIP1, expression in the absence of p53. <i>Oncogene</i> 9(11):3397-3406.
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	66.	Py B, Causton H, Mudd EA, Higgins CF (1994). A protein complex mediating mRNA degradation in Escherichia coli. <i>Mol Microbiol</i> 14:717-729.
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	75.	Campisi J (1992). Gene expression in quiescent and senescent fibroblasts. <i>Ann N Y Acad Sci</i> 663:195-201.
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	81.	Robinow S, White K (1991). Characterization and spatial distribution of the ELAV protein during Drosophila melanogaster development. <i>J Neurobiol</i> 22:443-461.
	82.	Szabo A, Dalmau J, Manley G, Rosenfeld M, Wong E, Henson J, Posner JB, Furneaux HM (1991). HuD, a paraneoplastic encephalomyelitis antigen, contains RNA-binding domains and is homologous to Elav and Sex-lethal. <i>Cell</i> 67:325-333.
DB	83.	Goldstein S (1990). Replicative senescence: the human fibroblast comes of age. <i>Science</i> 249(4973):1129-1133.

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Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. A34585-A PCT-USA (070050.1664)	Serial No. 09/907,907
	Applicant Fisher <i>et al.</i>	
	Filing Date July 16, 2001	Group 1641
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